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6 SEM TDC ECO M 2

2015

(May)

ECONOMICS

(Major)

Course : 602

(Environmental Economics)

Full Marks : 80

Pass Marks : 32

Time : 3 hours

*The figures in the margin indicate full marks
for the questions*

1. Answer/Choose the correct answer from the following : $1 \times 8 = 8$
 - (a) Mention one difference between resource economics and environmental economics.
 - (b) The study of interdependencies between living organisms and their environment is called
 - (i) environmental economics
 - (ii) ecosystem
 - (iii) ecology
 - (iv) All of the above

- (c) The maximum amount of a pollutant that is permitted to be discharged from a single polluting source over a specified period of time is called
 (i) effluent charge
 (ii) emission standard
 (iii) entropy law
 (iv) EIA
- (d) Converting solid wastes into new products by using the resources contained in discarded materials is called
 (i) renewable resource
 (ii) recycling
 (iii) refuse
 (iv) All of the above
- (e) Which of the following is not correctly matched?
 (i) EIA : Environmental Impact Assessment
 (ii) EMS : Environment Management System
 (iii) CPR : Community Property Resources
 (iv) IPCC : Intergovernmental Panel on Climate Change
- (f) Which of the following is not correctly matched?
 (i) National pollution : Climate change
 (ii) Global pollution : Ozone depletion
 (iii) Regional pollution : Acid rain
 (iv) Local pollution : Smog

- (g) What is carbon trading?
- (h) Mention one remedy for loss of biodiversity in Assam.
2. Write short notes on any *four* of the following (**within 150 words** each) : $4 \times 4 = 16$
- (a) Environment and economic development
 - (b) Environmental pollution as negative externality
 - (c) Environmental standard
 - (d) Indicators of sustainable development
 - (e) Global warming

Write the answers of the following (**within 500 words** each) :

3. (a) Write the meaning of ecology, environment and economy. Explain the objectives of environmental economics.

$6+5=11$

Or

- (b) Illustrate, with the help of materials balance model, the interdependence between economy and the environment. 11
4. (a) Mention any four characteristics of public goods. Discuss environmental quality as a public good. $4+7=11$

Or

- (b) Discuss Coase theorem with suitable examples. Mention its limitations. $8+3=11$

5. (a) Explain the command and control measures of pollution control. Do you think that command and control approach is more efficient than market-based approach in less-developed countries? Give justifications. $6+6=12$

Or

- (b) Critically discuss different market-based methods of pollution control. 12

6. (a) Critically discuss different concepts of sustainable development. 11

Or

- (b) Explain the meaning of strong and weak sustainability. Do you think that there are conflicts between economic growth and sustainable development? Give reasons for your answer. $6+5=11$

7. (a) What are the major environmental problems of developed and developing countries? Discuss the environmental policy choices for the developing countries. $5+6=11$

Or

- (b) Give a brief account of the global environmental problems. Discuss the ways to resolve these problems. $6+5=11$

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